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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/620,516	07/16/2003	K. R. Udayakumar	TI-35996	8502	
23494	7590 09/13/2004		EXAMINER		
	TRUMENTS INCOR	CRANE, SARA W			
P O BOX 655474, M/S 3999 DALLAS, TX 75265			ART UNIT	PAPER NUMBER	
			2811	PAPER NOVIBER	
			2011		
			DATE MAILED: 09/13/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

				AX			
Advisory Action		Application No.	Applicant(s)				
		10/620,516	UDAYAKUMAR ET	AL.			
	•	Examiner	Art Unit				
		Sara W. Crane	2811				
	The MAILING DATE of this communication appe	ears on the cover sheet with the c	correspondence add	ress			
THE REPLY FILED 16 August 2004 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a final rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114.							
	PERIOD FOR RE	EPLY [check either a) or b)]					
	e period for reply expiresmonths from the mailing of	date of the final rejection.		J			
b) The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.  ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).  Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
1. A Notice of Appeal was filed on Appellant's Brief must be filed within the period set forth in 37 CFR 1.192(a), or any extension thereof (37 CFR 1.191(d)), to avoid dismissal of the appeal.							
2. The proposed amendment(s) will not be entered because:							
(a) 🔯	they raise new issues that would require furth	er consideration and/or search (	see NOTE below);				
(b) 🗌	they raise the issue of new matter (see Note	below);					
(c) they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or							
(d) they present additional claims without canceling a corresponding number of finally rejected claims.							
NOTE: See Continuation Sheet.							
3. Applicant's reply has overcome the following rejection(s):							
4. Newly proposed or amended claim(s) would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).							
	a) affidavit, b) exhibit, or c) request folication in condition for allowance because: _	or reconsideration has been cons	sidered but does NO	OT place the			
6. The affidavit or exhibit will NOT be considered because it is not directed SOLELY to issues which were newly raised by the Examiner in the final rejection.							
7.⊠ For	purposes of Appeal, the proposed amendmen lanation of how the new or amended claims w			and an			
The	status of the claim(s) is (or will be) as follows:	:					
Claim(s) allowed:							
Claim(s) objected to:							
Cla	Claim(s) rejected: as in the final Office action.						
Claim(s) withdrawn from consideration:							
8. The	drawing correction filed on is a)☐ app	oroved or b)□ disapproved by	the Examiner.				
9.☐ Note	the attached Information Disclosure Stateme	ent(s)( PTO-1449) Paper No(s).	··-·•				
10.□ Oth	er:		Sara W. Crane Primary Examiner Art Unit: 2811	ane			

U.S. Patent and Trademark Office PTOL-303 (Rev. 11-03) Continuation Sheet (PTOL-303) 10/620,516

Application No.

Continuation of 2. NOTE: An update search was performed to look for the newly-added limitation of a hydrogen barrier in contact with the side of a ferroelectric capacitor. U.S. Patent No. 6,781,184 was found, which shows in figure 2 a hydrogen barrier layer covering and in direct contact with the side surfaces of a ferroelectric capacitor. U.S. Patent No. 6,706,540 also shows in figure 1F a forming step which has a hydrogen barrier layer contacting the sides of a ferroelectric capacitor. These teachings raise the new issue of whether the claims as amended would be obvious, since the prior art of Yang, already cited, teaches amorphous silicon as a known material for a hydrogen barrier layer.